



# Havoline Energy EF SAE 5W-30

Proven performance fuel efficient synthetic engine oil

## Product description

Havoline® Energy EF SAE 5W-30 is a proven performance fuel efficient synthetic engine oil, formulated to meet the ACEA C1 specification and Jaguar Land Rover ST-JLR.03.5005-16 engine oil requirements. It is also suitable for use in vehicles requiring the obsolete Ford WSS-M2C 934B specification.

Havoline Energy EF SAE 5W-30 is formulated for use in gasoline and diesel passenger cars and light duty commercial diesel vehicle engines. This low SAPS lubricant is compatible with diesel particulate filter (DPF) and gasoline engine three-way catalyst (TWC) aftertreatment systems.

## Customer benefits

- Designed for enhanced fuel economy, robust engine wear protection and service life through improved oil film performance
- Promotes engine and emissions system protection throughout extended drain periods, helping reduce maintenance costs
- Advanced cleaning additives help minimise harmful deposit formation and sludge build-up offering extended engine life
- Low temperature fluidity aids fast lubricant circulation and engine protection during cold engine start-ups

## Product highlights

- **Designed for enhanced fuel economy**
- **Promotes engine wear protection**
- **Helps minimise deposit and sludge build-up**
- **Aids cold engine start protection**

### Selected specification standards include:

ACEA	Ford
Jaguar Land Rover	

## Applications

- Havoline Energy EF SAE 5W-30 is suitable for gasoline and diesel passenger cars or light diesel vans and is catalyst compatible with DPF and TWC.
- Havoline Energy EF SAE 5W-30 is the engine oil to use for vehicles requiring Jaguar Land Rover ST-JLR.03.5005 and Ford WSS-M2C934-B engine oils.

Havoline Energy EF SAE 5W-30 is unsuitable for some engines. Consult owner manual or handbook if in doubt.

## Approvals, performance and recommendations

### Approvals

- Jaguar Land Rover ST JLR.03.5005-16

### Performance

- ACEA C1
- Ford WSS-M2C934-B

## Typical test data

Test	Test Methods	Results
Viscosity Grade		SAE 5W-30
<b>Shelf Life: 60 months from date of filling indicated on the product label</b>		
Density, 15°C, kg/l	ASTM D4052	0.85
Visc, Kinematic, 40°C, mm <sup>2</sup> /s	ASTM D445	55.2
Visc, Kinematic, 100°C, mm <sup>2</sup> /s	ASTM D445	10.0
Viscosity Index	ASTM D2270	170
Pour Point, °C	ASTM D5950	-45
Flash Point COC, °C	ASTM D92	220

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

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